

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/EP2004/052035

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12N15/82 C12Q1/48 C12N9/12 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12N C12Q A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, BIOSIS, WPI Data, PAJ, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/41642 A (VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOLOGIE; INZE, DIRK; SE) 24 September 1998 (1998-09-24) page 14, last paragraph example 15 claim 16 ----- -/-	1-23

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubt on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

14-07-2005

4 February 2005

Authorized officer

Holtorf, S

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PORCEDDU ANDREA ET AL: "A plant-specific cyclin-dependent kinase is involved in the control of G2/M progression in plants" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 276, no. 39, 28 September 2001 (2001-09-28), pages 36354-36360, XP002316406 ISSN: 0021-9258 the whole document page 36357 figure 4 figure 5 page 36358, left-hand column, paragraph 1; figure 6 page 36359, left-hand column, paragraph 4 page 36359, right-hand column, last paragraph -----	16-20,23
X	YOSHIZUMI TAKESHI ET AL: "An Arabidopsis cell cycle-dependent kinase-related gene, CDC2b, plays a role in regulating seedling growth in darkness" PLANT CELL, vol. 11, no. 10, October 1999 (1999-10), pages 1883-1895, XP002316407 ISSN: 1040-4651 the whole document figure 2 figure 3 page 1888 -----	16-20,23
X	WO 00/56905 A (CROPDESIGN N.V; DE VEYDER, LIEVEN; BOUDOLF, VERONIQUE, KATELIJNE, CEC) 28 September 2000 (2000-09-28) claims 5-7 example 7 -----	1-23
X	WO 02/16655 A (THE SCRIPPS RESEARCH INSTITUTE; SYNGENTA PARTICIPATIONS AG; HARPER, JE) 28 February 2002 (2002-02-28) the whole document -----	16
X	HASHIMOTO J ET AL: "Isolation and characterization of cDNA clones encoding cdc2 homologues from Oryza sativa: a functional homologue and cognate variants" MOLECULAR AND GENERAL GENETICS, SPRINGER VERLAG, BERLIN, DE, vol. 233, no. 1/2, May 1992 (1992-05), pages 10-16, XP002113196 ISSN: 0026-8925 the whole document ----- -/-	16

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE EMBL [Online]  9 March 2001 (2001-03-09), "Arabidopsis thaliana mRNA for cyclin dependent kinase (CDKB1;2 gene)"  XP002316408  retrieved from EBI accession no.  EM PRO:ATH297937  Database accession no. ATH297937  abstract</p> <p>&amp; DATABASE TREMBL DATABASE [Online]  EBI.AC.UK; Putative cell division control  CDK 1 May 1999 (1999-05-01),  ROUNSLAY, S.D., ET AL.: "Arabidopsis thalianan -Putative cell division control CDK"  retrieved from EBI.AC.UK accession no.  WWW.EBI.AC.UK  Database accession no. Q9ZV14  abstract</p> <p>-----</p> <p>DATABASE EMBL [Online]  17 July 2001 (2001-07-17), "Arabidopsis thaliana Arath;CDKB2;1 mRNA for cyclin-dependent kinase B2, complete cds."  XP002316409  retrieved from EBI accession no.  EM PRO:AB047279  Database accession no. AB047279  abstract</p> <p>-----</p> <p>MIRONOV V ET AL: "Cyclin-dependent kinases and cell division in plants: The Nexus"  PLANT CELL, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US,  vol. 11, no. 4, April 1999 (1999-04),  pages 509-521, XP002234257  ISSN: 1040-4651  table 1</p> <p>-----</p> <p>IMAJUKU Y ET AL: "EXON-INTRON ORGANIZATION OF THE ARABIDOPSIS-THALIANA PROTEIN KINASE GENES CDC2A AND CDC2B"  FEBS LETTERS,  vol. 304, no. 1, 1992, pages 73-77,  XP002268186  ISSN: 0014-5793  the whole document</p> <p>-----</p>	-/--

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>JOUBES J ET AL: "CDK-RELATED PROTEIN KINASES IN PLANTS"            PLANT MOLECULAR BIOLOGY, NIJHOFF PUBLISHERS, DORDRECHT, NL,            vol. 43, no. 5/6, August 2000 (2000-08),            pages 607-620, XP001037063            ISSN: 0167-4412            the whole document            figure 2; table 1            page 71, right-hand column, last paragraph            - page 72, right-hand column            -----</p>	
A	<p>HIRAYAMA T ET AL: "IDENTIFICATION OF TWO CELL-CYCLE-CONTROLLING CDC2 GENE HOMOLOGS IN ARABIDOPSIS-THALIANA"            GENE (AMSTERDAM),            vol. 105, no. 2, 1991, pages 159-166,            XP001042260            ISSN: 0378-1119            the whole document</p>	
A	<p>MAGYAR Z ET AL: "Cell cycle phase specificity of putative cyclin-dependent kinase variants in synchronized alfalfa cells"            PLANT CELL, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US,            vol. 9, no. 9, February 1997 (1997-02),            pages 223-235, XP002113325            ISSN: 1040-4651            cited in the application            the whole document</p>	
P,X	<p>WO 2004/035798 A (CROPPDESIGN NV [BE]; INZE DIRK [BE]; DE VEYLDER LIEVEN [BE]; VLIEGHE KO) 29 April 2004 (2004-04-29)            claim 2            page 86; table 4            -----</p>	1-23

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/052035

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9841642	A 24-09-1998	AU	744834 B2	07-03-2002
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